

### **IN THE CLAIMS**

Please amend the claims as shown in the following detailed claim listing. The detailed claim listing is intended to reflect cancellation of claims 1-120; and the addition of new claims 121-196. The specific amendments to individual claims are detailed in the following detailed claim listing.

1 – 120 (Canceled)

121. (New) A method for improving the appearance of wrinkles in a mammal in need thereof, the method comprising applying to the surface of the skin of the mammal having the wrinkles or to the surface of the skin of the mammal at risk thereof, an adhesive patch for a period of time effective to improve the appearance of the wrinkles,

wherein the adhesive patch comprises a flexible permeable backing having a front side and a back side and a cosmetic formulation positioned on at least a portion of the front side of the backing, in at least a portion of the front side of the backing, or on and in at least a portion of the front side of the backing; wherein the cosmetic formulation comprises:

- a cosmetic agent;
- a solvent;
- a skin absorption enhancer; and
- at least one of a pressure sensitive adhesive and a polymer.

122. (New) The method of claim 121 wherein the mammal is a human.

123. (New) The method of claim 121 wherein the period of time is up to about 24 hours.

124. (New) The method of claim 121 wherein the backing comprises polycellulose fibers, polyester fibers, polyurethane fibers, polyolefin fibers, polyamide fibers, cotton fibers, or any mixture thereof.

125. (New) The method of claim 121 wherein upon contact with skin, the backing retains the cosmetic formulation and the patch allows moisture from the skin to pass.

126. (New) The method of claim 121 wherein the cosmetic agent is an anti-oxidant.

127. (New) The method of claim 126 wherein the anti-oxidant is a free radical scavenger.

128. (New) The method of claim 127 wherein the free radical scavenger is at least one of lycopene, tumeric, green tea, white tea, an alpha hydroxy acid, beta hydroxy acid, Vitamin C, Vitamin E, Vitamin A, an acceptable salt thereof, or an acceptable derivative thereof.

129. (New) The method of claim 121 wherein the cosmetic agent is a collagen synthesis stimulator, a fibroblast growth stimulator, a collagen cross-linking inhibitor, or a combination thereof.

130. (New) The method of claim 129 wherein the collagen synthesis stimulator is a plant extract containing kinetin (6 furfurylaminopurine), vitamin C, a copper containing peptide, or a combination thereof.

131. (New) The method of claim 121 wherein the cosmetic agent is present in about 0.01 wt.% to about 4.0 wt.% of the cosmetic formulation.

132. (New) The method of claim 121 wherein the cosmetic agent is present in about 0.05 wt.% to about 2.5 wt.% of the cosmetic formulation.

133. (New) The method of claim 121 wherein the cosmetic agent is present in about 0.1 wt.% to about 1.0 wt.% of the cosmetic formulation.

134. (New) The method of claim 121 wherein the cosmetic agent is located on the entire surface of the front side of the backing.

135. (New) The method of claim 121 wherein the cosmetic agent is completely embedded in the backing.

136. (New) The method of claim 121 wherein the solvent comprises a polyhydric alcohol, water, or a combination thereof.

137. (New) The method of claim 136 wherein the polyhydric alcohol is glycerin, propylene glycol, ethylene glycol, triethylene glycol, or a combination thereof.

138. (New) The method of claim 136 wherein the polyhydric alcohol is present up to about 90 wt.% of the cosmetic formulation.

139. (New) The method of claim 136 wherein the polyhydric alcohol is present in about 20 wt.% to about 60 wt.% of the cosmetic formulation.

140. (New) The method of claim 121 wherein the solvent is present in about 5 wt.% to about 90 wt.% of the cosmetic formulation.

141. (New) The method of claim 121 wherein the solvent comprises water; triethylene glycol; glycerin; propylene glycol; ethylene glycol; triacetin; 1,3-propane diol; 2-methyl-1,3-propane diol; glycerol ricinoleate; PEG-6 caprylic / capric glycerides; caprylic / capric triglycerides; propyleneglycol dicaprylate / dicaprinate; glycerol monostearate; glycerol monocaprylate; glycerol monolaurate; neopentyl alcohol; 1-hexadecanol; hydroxypropyl beta-cyclodextrin; vitamin E; vitamin E acetate; deoxycholic acid; taurodeoxycholic acid; 3-[(3-cholamidopropyl) dimethylammonio]-1-propane-sulfonate; BigCHAP; cholic acid; cholesterol NF; propylene carbonate; lecithin; diethylene glycol ethyl ether; diethylene glycol ethyl ether acetate; an acceptable salt thereof; or a combination thereof.

142. (New) The method of claim 121 wherein the solvent is located on the entire surface of the front side of the backing.

143. (New) The method of claim 121 wherein the solvent is completely embedded in the backing.

144. (New) The method of claim 121 wherein the pressure sensitive adhesive comprises one or more acrylic ester copolymers.

145. (New) The method of claim 144 wherein each of the one or more acrylic ester copolymers is present up to about 30 wt.% of the cosmetic formulation.

146. (New) The method of claim 144 wherein each of the one or more acrylic ester copolymers is present in about 2 wt.% of the cosmetic formulation to about 30 wt.% of the cosmetic formulation.

147. (New) The method of claim 144 wherein all of the one or more acrylic ester copolymers, combined, are present in about 2 wt.% to about 30 wt.% of the cosmetic formulation.

148. (New) The method of claim 121 wherein the pressure sensitive adhesive is located on the entire surface of the front side of the backing.

149. (New) The method of claim 121 wherein the pressure sensitive adhesive is completely embedded in the backing.

150. (New) The method of claim 121 wherein the pressure sensitive adhesive further comprises an emulsifier.

151. (New) The method of claim 150 wherein the emulsifier is pectin.

152. (New) The method of claim 151 wherein the pectin is present in about 2.0 wt.% to about 20.0 wt.% of the cosmetic formulation.

153. (New) The method of claim 121 wherein the polymer is a polymer that includes a quaternary ammonium salt, gum tragacanth, gum Ghatti, gum agar, pectin, chitin, a derivative of chitin, carrageenan, a calcium cross-linked alginate, a cross-linked polymer by means of boron or a di- or tri-valent metal ion, an aldehyde cross-linked gelatin, gelatin, karaya, a polyacrylamide, a polyacrylic acid, xanthan gum, guar gum, a natural polymer, a synthetic polymer, a hydrophilic polymer, a hydrocolloidal polymer, starch, a starch derivative or graft copolymer, vinyl acetate copolymer, polyvinyl pyrrolidone, polyethylene oxide, algin, derivatives of algin, a polyacrylate, polymaleic acid, polymaleic anhydride, a polyurethane, a polyurea, gum acacia, locust bean gum, modified guar gum, maltodextrin, carboxymethyl cellulose, carboxypropyl cellulose, polyvinyl alcohol, poly AMPS, sodium polyacrylate, or a mixture thereof.

154. (New) The method of claim 121 wherein the polymer is polyvinyl alcohol, sodium polyacrylate, gelatin, or a combination thereof.

155. (New) The method of claim 154 wherein the polyvinyl alcohol is present in about 1.0 wt.% to about 20 wt.% the cosmetic formulation.

156. (New) The method of claim 154 wherein the sodium polyacrylate is present in about 1.0 wt.% to about 20.0 wt.% of the cosmetic formulation.

157. (New) The method of claim 154 wherein the gelatin is present in about 1.0 wt.% to about 30.0 wt.% of the cosmetic formulation.

158. (New) The method of claim 121 wherein the polymer is located on the entire surface of the front side of the backing.

159. (New) The method of claim 121 wherein the polymer is completely embedded in the backing.

160. (New) The method of claim 121 wherein the cosmetic formulation further comprises a fragrance.

161. (New) The method of claim 160 wherein the fragrance is a floral scent, a fruit scent, a plant leaf scent, a plant seed scent, a plant root scent, a plant berry scent, a plant bark scent, or any combination thereof.

162. (New) The method of claim 160 wherein the fragrance is grape fragrance, musk fragrance, light vanilla fragrance, amaretto fragrance, blueberry fragrance, coffee fragrance, egg nog fragrance, peanut butter fragrance, rum cake fragrance, honey almond fragrance, ginger bread house fragrance, coffee cake & spice fragrance, raspberry rose fragrance, cucumber, sassafras fragrance, strawberry fragrance, grapefruit pink fragrance, home sweet fragrance, jeweled citrus fragrance, lemon, mango fragrance, mulberry fragrance, orange flower fragrance, passion fruit fragrance, pikaki fragrance, freesia fragrance, china rain fragrance, coconut fragrance, apple fragrance, baked bread fragrance, cornucopia fragrance, lemon chiffon fragrance, peppermint twist fragrance, white cake fragrance, cherry pie fragrance, sugar plum fragrance, plum fragrance, romantic fragrance, sea fresh fragrance, tea fragrance, green floral fragrance, honeydew fragrance, kiwi fragrance, lilac fragrance, may bouquet fragrance, neutralizer fragrance, patchouli fragrance, peach fragrance, pine apple blossom fragrance, chocolate mint fragrance, frankincense fragrance, baked apple pie fragrance, cappuccino fragrance, cran-apple fragrance, maple syrup fragrance, buttered popcorn fragrance, sugar cookie fragrance, cotton candy fragrance, cranberry cobbler fragrance, plumeria fragrance, rum fragrance, spring fever fragrance, watermelon fragrance, guava fragrance, honeysuckle fragrance, hyacinth fragrance, macadamia nut fragrance, melon fragrance, oakmoss fragrance, papaya fragrance, pear pineapple fragrance, blueberry fragrance, citrus-ginseng fragrance, garden dreams fragrance, banana creme pie fragrance, chocolate mint fragrance, cranberry fragrance, macadamia nut fragrance, pumpkin pie fragrance, chocolate German cake fragrance,

banana nut bread fragrance, sweet potato pie fragrance, raspberry fragrance, sandalwood fragrance, spring flowers fragrance, ylang fragrance, heather fragrance, jasmine fragrance, lavender fragrance, magnolia fragrance, mountain air fragrance, orange essence fragrance, paradise fragrance, peony fragrance, alpine breeze fragrance, chamomile fragrance, clover fragrance, gardenia fragrance, or any combination thereof.

163. (New) The method of claim 121 wherein the cosmetic formulation is completely embedded in at least a portion of the front side of the backing.

164. (New) The method of claim 121 wherein the cosmetic formulation is located on the entire surface of the front side of the backing.

165. (New) The method of claim 121 wherein the backing is porous.

166. (New) The method of claim 121 wherein the backing is vapor permeable.

167. (New) The method of claim 121 wherein the backing comprises water insoluble material.

168. (New) The method of claim 121 wherein the backing comprises water soluble material.

169. (New) The method of claim 121 wherein the backing has a thickness of about 0.025 mm to about 1.25 mm.

170. (New) The method of claim 121 wherein the cosmetic formulation further comprises one or more skin conditioners.

171. (New) The method of claim 170 wherein the skin conditioner is an alpha hydroxy acid, a glycosaminoglycan, grape seed oil, cranberry seed oil, green tea, white tea, caffeine, xanthine, Vitamin B-3, nicotinamide, licorice, calamine, aluminum hydroxide gel, cocoa butter, aloe, lanolin, glycerin, Vitamin E, Vitamin E acetate, farnesol, glycyrrhetinic acid, propylene glycol,

ethylene glycol, triethylene glycol, hard fat, kaolin, lanolin, mineral oil, petrolatum, topical starch, white petroleum, cod liver oil, shark liver oil, zinc oxide; or a combination thereof.

172. (New) The method of claim 171 wherein the alpha hydroxy acid is present up to about 5.0 wt.% of the cosmetic formulation.

173. (New) The method of claim 121 further comprising a keratolytic agent.

174. (New) The method of claim 173 wherein the keratolytic agent is alcloxa, resorcinol, or a combination thereof.

175. (New) The method of claim 174 wherein the alcloxa is present up to about 2.0 wt.% of the cosmetic formulation; or the resorcinol is present up to about 3.0 wt.% of the cosmetic formulation.

176. (New) The method of claim 174 wherein the alcloxa is present in about 0.2 wt.% of the cosmetic formulation to about 2.0 wt.% of the cosmetic formulation; or the resorcinol is present in about 1.0 wt.% of the cosmetic formulation to about 3.0 wt.% of the cosmetic formulation.

177. (New) The method of claim 121 wherein the cosmetic formulation further comprises a filler.

178. (New) The method of claim 177 wherein the filler is malto dextrin.

179. (New) The method of claim 178 wherein the malto dextrin is present in about 1.0 wt.% to about 10.0 wt.% of the cosmetic formulation.

180. (New) The method of claim 121 wherein the skin absorption enhancer is diethylene glycol monoethyl ether, dimethyl sulfoxide (DMSO), didecyl sulfoxide, ionic surfactants, non-ionic surfactants, isopropyl myristate (IPM), or a combination thereof.



181. (New) The method of claim 121 wherein the skin absorption enhancer is diethylene glycol monoethyl ether.

182. (New) The method of claim 121 having a thickness of about 0.20 mm to about 5.0 mm.

183. (New) The method of claim 121 further comprising a release liner that is mounted on the front side of the backing.

184. (New) The method of claim 183 wherein more than one patch is mounted on the release liner.

185. (New) The method of claim 184 wherein up to about 20 adhesive patches are mounted on the release liner.

186. (New) The method of claim 121 further comprising a preservative.

187. (New) The method of claim 186 wherein the preservative is sodium meta bisulfite ( $\text{NaS}_2\text{O}_5$ ), sodium bisulfite ( $\text{NaHSO}_3$ ), quat-15, methylparaben, propylparaben, dichlorobenzyl alcohol, ethylene diamine tetraacetic acid, formaldehyde, gum benzoin, imidazolidinyl urea, phenyl-mercuric acetate, poly aminopropyl biguanide, propyl gallate, sorbic acid, cresol, chloroacetamide sodium benzoate, chloromethyl-methylisothiazolinone, chloromethyl-methylisothiazolon, chloromethyl-methylisothiazolinone benzalkonium chloride, an octylisothiazolinone benzimidazol-compound, chloromethyl-methylisothiazolinone octylisothiazolinone, o-phenylphenol benzisothiazolinone, o-phenylphenol benzisothiazolinone, benzisothiazolinone, an aliphatic amine of 2-thiopyridineoxide, benzoic acid, editic acid, phenolic acid, benzyl alcohol, isopropyl alcohol, benzenethonium chloride, bronopol, cetrimide, chlorohexidine, chlorobutanol, chlorocresol, phenol, phenoxyethanol, phenyl ethyl alcohol, phenylmercuric acetate, phenylmercuric borate, phenylmercuric nitrate, potassium sorbate,

propylene glycol, sodium benzoate, sodium propionate, thimerosal, acceptable salts thereof; or a combination thereof.

188. (New) The method of claim 186 wherein the preservative is present in about 0.01 wt.% to about 1.5 wt.% of the cosmetic formulation.

189. (New) The method of claim 121 further comprising an astringent.

190. (New) The method of claim 189 wherein the astringent is alum, tannic acid, calamine, witch hazel, zinc oxide, or a combination thereof.

191. (New) The method of claim 189 wherein the astringent is present up to about 25 wt.% of the cosmetic formulation.

192. (New) The method of claim 121 further comprising a skin protectant or skin conditioner.

193. (New) The method of claim 192 wherein the skin protectant or skin conditioner is an alpha hydroxy acid, a glycosaminoglycan, grape seed oil, cranberry seed oil, green tea, white tea, caffeine, xanthine, Vitamin B-3, nicotinamide, licorice, calamine, aluminum hydroxide gel, cocoa butter, aloe, lanolin, glycerin, Vitamin E, Vitamin E acetate, farnesol, glycyrrhetic acid, propylene glycol, ethylene glycol, triethylene glycol, hard fat, kaolin, lanolin, mineral oil, petrolatum, topical starch, white petroleum, cod liver oil, shark liver oil, zinc oxide; or a combination thereof.

194. (New) The method of claim 192 wherein the skin protectant or skin conditioner is present up to about 2.0 wt.% of the cosmetic formulation.

195. (New) A method for improving the appearance of wrinkles in a mammal in need thereof, the method comprising applying to the surface of the skin of the mammal having the wrinkles or

to the surface of the skin of the mammal at risk thereof, an adhesive patch for a period of time effective to improve the appearance of the wrinkles,

wherein the adhesive patch comprises a flexible permeable backing having a front side and a back side and a cosmetic formulation positioned on at least a portion of the front side of the backing, in at least a portion of the front side of the backing, or on and in at least a portion of the front side of the backing; wherein the cosmetic formulation comprises:

a cosmetic agent selected from the group consisting of: an antioxidant, a collagen synthesis stimulator, a fibroblast growth stimulator, a collagen cross-linking inhibitor, caffeine, theophylline, and combinations thereof;

a solvent;

a skin absorption enhancer; and

at least one of a pressure sensitive adhesive and a polymer.

196. (New) A method for improving the appearance of wrinkles in a mammal in need thereof, the method comprising applying to the surface of the skin of the mammal having the wrinkles or to the surface of the skin of the mammal at risk thereof, an adhesive patch for a period of time effective to improve the appearance of the wrinkles,

wherein the adhesive patch comprises a flexible permeable backing having a front side and a back side and a cosmetic formulation positioned on at least a portion of the front side of the backing, in at least a portion of the front side of the backing, or on and in at least a portion of the front side of the backing; wherein the cosmetic formulation comprises:

a cosmetic agent selected from the group consisting of: Vitamin C, Vitamin E, Vitamin A, lactic acid, tartaric acid, citric acid, glycolic acid, malic acid, alpha-hydroxy octanoic acid, alpha-hydroxy caprylic acid, a mixed fruit acid, a sugar cane extract, salicylic acid, beta-hydroxybutanoic acid, tropic acid, trethocanic acid, a plant extract containing kinetin (6-furfurylaminopurine), Vitamin C, a copper containing peptide, retin A, a cytokine, a Fibroblast Growth Factor, aminoguanidine, carnosine, and combinations thereof;

a solvent;

a skin absorption enhancer; and

at least one of a pressure sensitive adhesive and a polymer.